

HEAT-EXCHANGING DEVICE

Abstract of the Disclosure:

5 A heat exchanger comprising a substrate that comprises a
bottom side and a top side; a unit for generating a directed
fluid stream with a flow direction that is tangential to the
bottom side and to the top side of substrate; webs projecting
from the top side of substrate and perpendicular to the flow
direction, lying one after the other in the flow direction,
wherein a height of the webs is less than a spacing of
10 adjacent webs in the flow direction; and a plurality of
regularly arranged channels extending through the substrate.